

# THE TECH

VOL. XXVII. No. 8

BOSTON, MASS., FRIDAY, OCTOBER 18, 1907

PRICE THREE CENTS

## TRACK WORK AROUSING INTEREST.

MORE SO THAN IN YEARS.

Squad of Forty Men Reporting Daily.  
New Methods Introduced.

Regular track work is arousing more interest this season than has been stirred up in many years. A squad of over forty men are reporting daily to the coach at the field. Most of these are runners, as it is a peculiar thing that almost no men have as yet showed up for the field events.

The sprinters are being worked out with the two-twenty as an object on account of most of these men being candidates for the class relay teams. The distance men are all being placed on cross country work in anticipation of and preparation for the run with Harvard, and later on the intercollegiate championship.

Coach Kinaly is introducing several new methods into his training, which are proving most successful. Every man's work is outlined for him from day to day, and when he comes out each day the coach tells him what work is laid out for that afternoon. In this way, the coach is able to plan all work individually, and arrange it all in proper sequence. He is securing very good results, and everyone is well satisfied with the new system.

## FRESHMEN WORKING REGULARLY.

Relay Team Candidates are Progressing Rapidly.

Freshman relay work is progressing enthusiastically. Fifteen men are reporting regularly, and are doing very well. One of the new men who has showed up is Kerr, who did a good deal of running at Tome Institute, where he confined himself to the hundred and twenty.

Seligman, the Brookline High star, is also running a very good furlong. His team mate, Cooley, is now being put on distance work with a view to subsequent development for cross country. Dolke and Stevens are also working regularly.

## TWENTY OUT FOR FOOTBALL.

Freshmen Light But Are Good Players.

Over twenty men have been out for Freshman football practice at the Oval. Coach Riley has been putting the men through light practice daily. Most of the work up to date has been in the use of open plays, the forward pass and the on-side kick. The team as it is lined up at present is a little light, but contains good football material.

## FRESHMEN DEFEATED.

Roxbury Latin Victors, 11-6.

In the first game of the season Roxbury Latin defeated the Freshman football team by the score of 11-6. Several men played a star game for the Freshmen, but on the whole the game was a poor exhibition of football. Dresser and Cowee did excellent work, but on account of being used by the quarter in too many plays were both laid out. Coupal, the quarterback, showed very poor judgment in running the team, and handled the ball carelessly.

Watson, who replaced him, was slow in his passes. The work on the ends was very poor, and many plays that should have been nailed without any trouble, were allowed to get by.

Some brilliant work was done in the back field and the central part of the line held very well. Coach Riley has some excellent material to work with, and should be able to turn out a very good team.

About thirty men of the Freshmen tug-of-war team were excused from drill Wednesday afternoon in order to practice.

## DEMAND GREATER THAN SUPPLY.

SO SAYS PROF. JACKSON.

No Reason for Failure to Find Employment in Engineering.

In reply to a number of questions put to him by THE TECH, Prof. Dugald C. Jackson, head of the Department of Electrical Engineering, has prepared the following paper with regard to the work of electrical engineering.

"Is there a call for engineering graduates which is proportional to the number of young men who are graduating each year from the engineering schools, and especially does the demand exist for the engineering graduates who come out from the Institute of Technology? Are the opportunities for graduates from the electrical engineering course equal or superior to those who graduate from other courses? Have the graduates from Course VI made a satisfactory record? What are the objects of Course VI, and has the course been kept in harmony with the advances of engineering knowledge? I will answer these four ques-



DUGALD C. JACKSON.

tions in the order in which the reporter of THE TECH presented them to me.

"I think there can be no two sides to the statement that the demand for really well trained young men who have gone through a course in an engineering school is greater than the supply, and that each man would be able to find immediate employment with good prospects of ultimate professional business success if the Institute of Technology were to graduate 450 students each year instead of approximately 250. It also seems to me that this condition is sure to continue as long as the great developments of manufacturing and industrial business continue in this country. This development is more rapid in some years than in others, but there is no evidence that the sound growth of the industries will cease in this country for many years to come.

"I see no reason why any man who is really active-minded, competent and well trained, should fail to find advantageous employment in any of the branches of engineering, and it seems to me that each student should choose his engineering course from the standpoint of his own bent of mind, but in respect to the opportunities for graduates from the electrical engineering course I see no reason why they are not as great as the opportunities for the engineering graduates from any of the courses. The present time is a period of tremendous expansion of electrical work through all the industries, and a steady call is made for Institute graduates capable of ultimately entering the executive offices of industrial corporations. Also, the introduction of electric traction on the trunk line railroads is beginning to make a new call for the graduates from the electrical engineering courses, and the remarkable expansion of the telephone service that is now going on is likewise making a large call for engineering graduates. Altogether, the supply of men (Continued on page 3.)

## TECH DEFEATED IN GOLF.

WILLIAMS WON.

Dartmouth only Other Team Playing.

Tech was defeated Wednesday in the annual tournament of the New England Intercollegiate Golf Association by Williams and Dartmouth. Williams was first with a score of 58 in excess of bogie, while Dartmouth followed second with 64. Tech ran over 105. The teams were made up of five men, and each man played thirty-six holes bogie.

The scores on the whole were very poor. The best work was done by Lynde of Williams, who was three down. Tillard, 20 down, and Turner, 21 down, played the best games for Technology. The team had little chance for practice, and so was not able to make a very good showing. It was composed of Barcus, Turner, Tillard, Campbell, and Coffin. The summary:

## WILLIAMS.

Lynde, -3; Jackson, -11; Campbell, -11; Lichtenheim, -14; Matless, -19. Total, -58.

## DARTMOUTH.

Stucklin, -11; Gorton, -10; Martin, -13; Lord, -14; Smith, -16. Total, -64.

## TECHNOLOGY.

Barcus, -21; Turner, -20; Tillard, -16; Campbell, -23; Coffin, -25. Total, -105.

## 1910 NOMINATIONS OUT.

Nominations Not Numerous

The 1910 Class officers' nominations are printed, but the elections are to be held over until the election of the members from the class to the Athletic Association. The nominations are:

President, Karl D. Fernstrom, Tom W. Saut; Vice-President, Harold Lockett, Malcolm B. Hall; Secretary, Curtis C. Webb, H. N. Harrison; Treasurer, Maurice Chapin, William H. Duffield, R. S. Breyer; Institute Committee, Roland K. Armes, B. Reynolds, Carl J. Sittlinger, R. F. Goodwin, Phillip D. Terry, Carroll H. Shaw, A. K. Adams; Board of Directors, B. Wohlgenuth, Carl C. Dudley, Ralph Torrey.

## ANNOUNCEMENT ARRIVES

Tech Fencers now Officially in Intercollegiate League.

Official announcement of the admission of Tech to the Intercollegiate Fencing League has just been received by the fencing authorities at the Institute. The letter from the President of the association to Ernest M. Loring, '09, the Captain of the Tech team follows:

"My Dear Mr. Loring:—  
"I take great pleasure in informing you that the M. I. T. was admitted to the I. C. F. A. at its last meeting. The entrance fee is five dollars, payable any time previous to the intercollegiate meet which will doubtless be held some time in March. The Secretary-Treasurer is Harrison E. Knauss, of the U. S. Naval Academy. There will be a meeting of the I. C. F. A. to which you are expected to send a delegate some time during the holidays. I will let you know later the exact date of the meeting.

Yours most sincerely,  
(Signed) "ALLEN C. STALEY,  
"President I. C. F. A."

## PORTRAIT HUNG IN PIERCE

Three European Chemists Now Gaze at Architects.

A portrait of three European chemists, the inventors of the aniline dyes, which was presented to the Institute some time ago, is now hanging at the top of the staircase in Pierce. The picture has been kept in storage until last summer, when Secretary Bartlett had it retouched and hung in Pierce. The name is, "An Era in Aniline Discovery."

## ATHLETIC ASSOCIATION MEETS TODAY.

TO CONSIDER CHANGES IN THE  
CONSTITUTION.

Importance of Meeting Calls for Large Attendance.

The Athletic Association will hold a meeting at 1 P. M. today in Huntington Hall for the purpose of considering the changes in the constitution reported by the committee appointed last Friday by Vice-President Glover.

These changes provide for an association consisting of five representatives from each class, the captains and managers of all varsity teams. Captains and managers of class teams will be admitted to membership, but will have no vote. Only the twenty men elected from the classes will be allowed to hold office.

It is hoped that this change in the membership of the Athletic Association will do away with the old inefficiency of the organization, and also lessen the work now required of the Alumni Advisory Council.

From the Committee:—

The Constitution and By-Laws as printed in the last issue of THE TECH are identical with former Constitution and By-Laws of the association except that:

Section 1 of Article II, reading "All students of the Massachusetts Institute of Technology shall be members of the association" has been amended to read "The membership of this association shall consist of twenty undergraduates, five elected from and by each class, and the managers and the captains of all varsity teams."

Section 3 of Article II of the Constitution has been inserted, reading "The managers and captains of all class teams shall be members of the association during term of office, but without vote."

Section 1 of Article IV of the By-Laws, reading "A quorum shall consist of twenty members" has been amended to read "A quorum shall consist of one-half the membership of the association."

The other sections and articles can stand until changed by the new association.

Submitted to the association by the Committee on the Amendment of Constitution and By-Laws.

George T. Glover, 1908.

Chairman,

John T. Tobin, 1908.

Thomas W. Orr, 1908.

Henry Wm. Hoole, 1908.

## GOING TO WELLESLEY.

Hare and Hounds Off for College Tomorrow at 2.20.

So many requests have been made for a run at Wellesley that the weekly hare and hound chase will be held tomorrow over the Wellesley course. In the past this has been the most popular run of the season, because of the great beauties of the course.

The course was made memorable last year for the older men by the trail laid for sixty-four hounds by Allen '07, and Starkweather '07. A new scheme has been worked out by the coach to make the run easier for the new men, and better training for the team.

The round-trip fare is thirty cents, single tickets fifteen cents. The train leaves Trinity Place Station at 2.04 P. M.

## FAILED TO GET THE MOUSE

Prof. Fay has Exciting Experience in Mouse Hunt and Fire.

There was a slight fire in Professor Fay's office, 46 Walker, Wednesday. The blaze was started in a pile of tow under the office couch. A bucket of water prevented any serious damage.

The fire was brought about by a mouse which took refuge under the couch. The storekeeper in Walker attempted to find the intruder, using a lighted match for illumination.

## THE TECH

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### Editorial Staff.

H. W. HOOLE, 1908 *Editor-in-Chief*  
W. F. DOLKE JR., 1908 *Managing Editor*  
D. C. MCMURTRIE, 1910 *Athletic Editor*  
A. K. MITCHELL, 1909 *H. I. PEARL, 1910*

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G. A. HAYNES, 1909 *Circulation Manager*  
R. W. PARLIN, 1908

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Business Manager, 30 Rogers.....4-6 Daily  
Managing Editor, News Bureau...8.30-9 Daily

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Friday, October 18, 1907.

### DR. WHEELER'S EXPERIENCE

The scholar in politics is evidently not appreciated in California, and President Benjamin Ide Wheeler may yet be sorry that he did not come to Boston, where liberty of speech and action are permitted. He has been at cross-purposes with Governor Gillett over the appointment of a postmaster at Berkeley. He sent on to the President some time ago his indorsement of a candidate for that position, but he was not the candidate that the governor and the congressmen for that district were backing, and there has developed a movement to compel him to keep out of politics or get out of the university. The governor is a strong factor in the board of regents, and he has given President Wheeler to understand that those were the alternatives that he favored. It is conceded that the president is doing great work as an educator, and even his political critics profess themselves proud of the standing the university has attained since he became its head, but that is not accepted as an offset to his interference with the work of appointing a postmaster of the right stripe in his own city. The right of petition is one that is particularly cherished by Americans. Probably had President Wheeler's name appeared among five hundred others requesting the appointment of a particular candidate, nothing would have been said about it; but going to the President alone there is fear that it carries a weight which the five hundred would not possess. Yet Roosevelt told him he would rather live in Berkeley than in Boston.—(The Boston Transcript.)

### WANTED, ALUMNI NOTES.

WANTED — News of births, deaths, marriages and business changes among the past students of the Institute. Apply to THE TECH, Vol. 27.

THE TECH regrets to announce the resignations of Maurice R. Scharff 1909 from the Board of Editors, Paul B. Lord 1909 from the Business Staff, and Frederick A. Dewey 1909, and Paul R. Powell 1908, from the News Staff.

Raymond W. Parlin 1908 has resigned his position as Business Manager, but remains on the Business Staff. Richard S. Bicknell 1910 has been elected Business Manager. George A. Haynes 1909 has been elected to a new created office, that of Circulation Manager.

### ACTION TODAY.

Today the meeting of the Athletic Association is to be held to decide on the proposed plan for the reorganization of the association. Since it was first proposed it has undergone a few changes which have seemed necessary to the committee appointed to consider the matter. This committee has given the plan their most careful consideration, and have worked the scheme up in a most creditable and thorough manner.

The scope of the plan has been widened as much as possible, and as it is presented takes in every one connected with or interested in Tech athletics. The Institute has grown too large to enable every one to take an active part in the management of athletics, and the best thing

to be done is to provide a good plan of representation. This has been done, and it only remains for the Institute to adopt it at the meeting today.

Everyone should come to the meeting today and give their best judgment to the decision of this important question. It is a duty that should not be shirked.

### Y. M. C. A. MEETING LARGEST YET.

#### Dr. Jelliffe Talks to Tech Men.

Rev. W. R. Jelliffe spoke to the largest weekly Y. M. C. A. meeting yesterday on "What is a Sacred Profession?" Mr. Jelliffe cited a few interesting paradoxes from his work in the Cherry-St. district of New York, namely, the counterfeiter who would not lie, because the truth is sacred.

He said in part: "No man shall take for sacred things that are labelled so till he tests them. The tendency of man now is to distrust and to be impatient with sacred things. This is because these things may be inflated. Men want something solid. Mr. Speer told the Yale men that the ministry is the only profession in which a man can really serve God. I say, 'truth of purpose and principle, sincerity of life, and devotion to the highest ideals, are what make your profession sacred, and hence the only profession in which you can really serve God.'"

### CIVIC CLUB BEGINS MEETING.

#### First Meeting of Year Tonight.

All interested in civic problems and government are invited to be present at the first meeting this year of the Civic Club tonight at 7.30 P. M., in 16 Rogers. The following subject will be discussed:

"Resolved, that a court for investigation and decision in cases of dispute between Capital and Labor should be established in this country."

Everyone connected with the Institute is eligible to membership in the Club, and it is hoped that all interested will be present.

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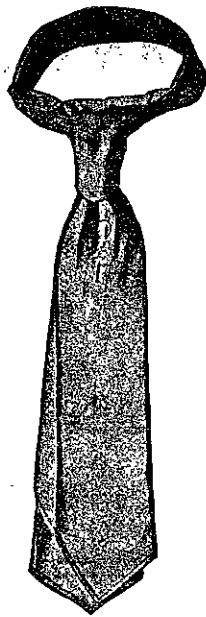
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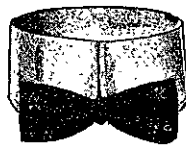
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### DEMAND GREATER THAN SUPPLY.

(Continued from page 1.)

leaving the electrical engineering courses of the better engineering schools of the country is not anywhere near in proportion to the demand for well trained men who are really active-minded and competent, and I do not believe that the supply would overreach the demand even though the Institute classes should grow at an unprecedented rate. As already expressed, however, the call for competent men who have been well trained is great in all branches of engineering, and I do not believe that any man should choose to follow one engineering course rather than another unless his natural bent leads him in that direction.

"Of the 600 men who have graduated from Course VI at the Institute, most of them have remained in the engineering business. A few (about 6 percent. of the living graduates according to the Register) are teachers, many of them already of distinction in engineering schools. Nearly every class has produced men who have come to be distinguished since they graduated, though the course was established only as recently as 1885. These include Mr. F. A. Pickernell, a distinguished telephone engineer; Professor Dana P. Bartlett, Secretary of the Institute of Technology, and Professor of Mathematics; Professor H. E. Clifford, the remarkable teacher of Periodic and Alternating Currents; Mr. Walter C. Fish, Works Manager of the General Electric Company, at Lynn; Professor George W. Patterson of the University of Michigan; Mr. Louis A. Ferguson, Vice-President of the Chicago Edison Company; Messrs. Charles A. Stone, E. S. Webster, Russell Robb and H. G. Bradlee of the firm of Stone & Webster; Mr. Hollis French, Consulting Engineer of Boston; Mr. H. M. Hobart, Consulting Engineer of London; Professor F. A. Laws, well known for his testing of electrical measurements in the Institute; Mr. Charles Neave, the Patent Attorney of New York; Mr. Calvin

W. Rice, Secretary of the American Society of Mechanical Engineers; Mr. Albert G. Davis, Manager of the Patent Department of the General Electric Company; Professor William Esty, author of text books, and Professor of Electrical Engineering, Lehigh University; Professor Charles L. Norton, of the Institute of Technology, notable for his work in heat measurements; Mr. Percy H. Thomas, whose experiments with lightning phenomena and work in developing the Copper-Hewitt Mercury vapor lamp and rectifier are notable; and a great many more who have established for themselves reputations that have made them known throughout electrical circles, and indeed throughout engineering circles. It is interesting in this connection to remark that Mr. Edward E. Higgins, Treasurer of the corporation which publishes the widely circulated journal known as "Success," is also a graduate from the electrical engineering course, in the same class as Professor Bartlett. Professor Clifford and various well known successful practicing electrical engineers.

"The course in electrical engineering has been gradually changed to meet the requirements of the times, since it was established a dozen years ago, but no great changes have been made during the last several years. Some changes are proposed to be made before the end of this year, which have for their object improvements which relate more particularly to the order of the studies and the relation of the students to their instructors. The course itself is intended to give men breadth of view and keenness of perception, besides a thorough training in the fundamental subjects underlying electrical practice which are necessary to enable a man to conceive, plan, and execute important projects. The course has been so eminently successful in the past, and has done so much good that it has established a very remarkable clientele. In fact there is no electrical engineering course in the country which has in any wise a clientele which gives equally strong support."

"DUGALD C. JACKSON."

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#### CALENDAR.

FRIDAY, OCT. 18.

- 1.00 P. M. Athletic Association Meeting in Huntington Hall.  
4.15 P. M.—California Club Meeting in 36 Rogers.  
7.30 P. M. M. A. H. S. Club Dinner at the Union.  
7.30 P. M.—Civic Club Meeting in 16 Rogers.

SATURDAY, OCT. 19.

- 2.04 P. M.—Hare and Hounds Association leaves Trinity Place for Wellesley.  
6.30 P. M.—Exeter Club Dinner at the Union.

#### FACULTY NOTICES

**ELEMENTARY GERMAN.**—All students desiring to take Elementary German should consult Prof. Vogel before Oct. 19, at noon, and bring a complete tabular view in order that hours may be arranged, and the classes begin next week.

**MILITARY SCIENCE.**—All men wishing to join the Cadet Band report at the South Armory, 2 P. M., Oct. 23, bringing any instruments they may own. All upper classmen are invited to join and particularly those willing to play on Field Day, are requested to come Oct. 23, or speak to R. K. Arnes, '10, Chief Musician.

#### NOTICES.

**GUITAR MEN WANTED.**—The Mandolin Club wants three more guitars. If you play at all leave your name at the cage for N. L. Coleman.

**SNARE DRUM.**—If you play a snare drum, we want you in the Mandolin Club. Leave your name at the cage for N. L. Coleman.

**CALIFORNIANS.**—The California Club will hold a meeting today at 4.15 P. M. in 36 Rogers. All men from California are earnestly requested to come to this meeting, whether members or not.

**KAPPA ALPHA (Southern) Fraternity.**—All members of the Kappa Alpha (Southern) Fraternity please communicate at once with J. R. McKissock, Secretary of Boston Alumni Chapter, 3 Sumner Road, Cambridge, Mass.

**TEXAS.**—There will be an important meeting of the Texas Club next week. All men, especially new men, are urged to be present. The date of meeting will be announced later.

**MISSOURI MEN.**—The meeting of the Missouri Club planned for last Wednesday has been postponed to next Wednesday, at 1 P. M., in 33 Rogers. Every Missouri man is expected to be present, or the five Missourians will have "to be shown" why.

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